

Agenda item TEC: 8. CTCN AB: 6 | [TEC/2024/28/16 and AB/2024/23/6.2]

Joint Monitoring and Evaluation

TEC-CTCN Joint session

19 April 2024, Copenhagen, Denmark



Mandate and background

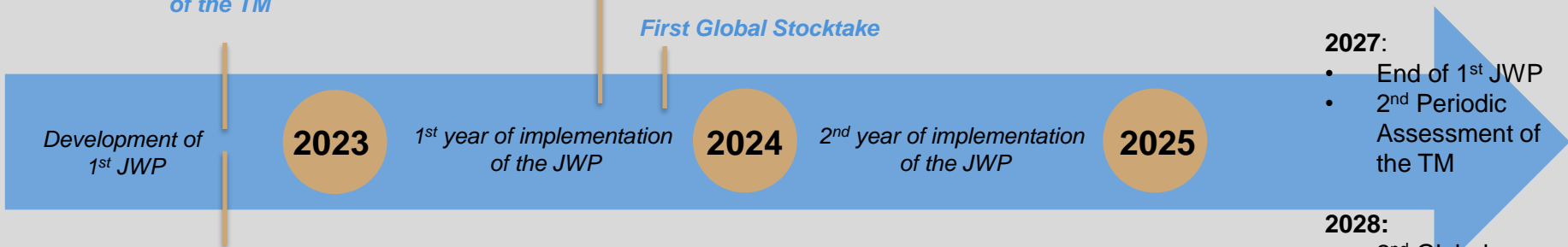
COP 27 (Nov 2022)
 Launch of Joint Work Programme of the TM (2023 – 2027) including TEC rolling work plan & CTCN PoW

TEC 27 CTCN AB 22 (Sept 2023)
 TEC and CTCN AB Chairs and Vice-Chairs to conduct an analysis of the M&E systems and an overall analysis of the joint M&E indicators with the aim of satisfying the existing reporting requirements

Agreed to establish an open-ended joint activity group.

1st periodic assessment of the TM

First Global Stocktake



- 2027:**
- End of 1st JWP
 - 2nd Periodic Assessment of the TM

- 2028:**
- 2nd Global Stocktake

Decision 20/CMA.4
Encourage the TEC and the CTCN to explore the opportunity of developing a common and integrated M&E system in designing the joint work programme.

Decisions 18/CP.27 & 19/CMA.4
Request the TEC and CTCN to continue to enhance efforts to monitor and evaluate the impacts of their work, including identifying new ways to invite feedback from NDEs on the impact of the work of the Technology Mechanism.



Background

Outcomes of the meetings of the joint activity group

First meeting (7 March):

- Joint activity group provided suggestions regarding the approach to the NDE Survey (utilizing separate surveys for Annex 1 and Non-Annex 1 NDEs; considering potential incentive mechanisms) and agreed on two interconnected areas of work:
 1. Further refine the indicators for joint activities, presented at the joint meeting in September 2023
 2. Conduct an initial mapping of the joint reporting requirements for the technology mechanism

Second meeting (4 April):

- Joint activity group requested the Secretariat to:
 1. Prepare a background note for the joint session that includes information on proposed joint M&E indicators + the initial mapping of the joint reporting requirements
 2. Reflect in the background note a proposed “3-step-process” to advance work on this matter:
 - a) Look at existing M&E systems in place, including proposed new indicators for joint activities. The activity group recommended initiating a discussion on broader M&E processes, including M&E of the common areas of work and joint work programme as a whole, through bridging the existing TEC and CTCN M&E systems.
 - b) Look at the overview of the joint reporting requirements.
 - c) Subsequently carry out an analysis of how the existing M&E systems meet the joint reporting requirements.



Today's presentation

- **Part 1:** Presentation of the refined indicators to measure and evaluate the joint collaborative efforts of the TEC and CTCN
- **Part 2:** Presentation of the draft mapping of joint reporting requirements
- **Part 3:** Presentation of updates with regards to the joint NDE Survey



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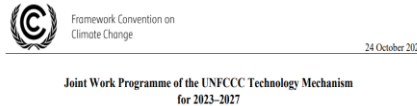
i. Proposed joint indicators to measure and evaluate the joint collaborative efforts of the TEC and CTCN



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Current M&E systems

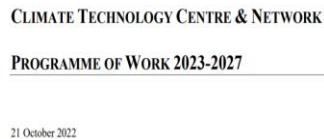
Joint Work Programme of the Technology Mechanism for 2023-2027 (composed of three “chapters”)



TEC Rolling Work Plan for 2023-2027 (organized according to 4



CTCN Programme of Work for 2023-2027 (introducing 2 enablers and 5 system transformations)



Joint Activities & Common Areas of Work for 2023 – 2027

Joint Activities, incl:
Technology roadmaps;
Digitalization; Continuing joint
activities

Common areas of work: NSI;
water-energy-food systems;
energy systems, buildings and
resilient infrastructure, business
and Industry, and TNAs.

2020: TEC and CTCN engaged the services of a M&E expert to jointly develop an M&E framework, including a Theory of Change, a logical framework, indicators and accompanying methodologies:

- Updated TEC M&E framework discussed at TEC 26 & TEC 28
- Updated CTCN M&E framework discussed at CTCN AB 22

Currently no M&E indicators for joint activities or collaboration on common areas of work.

Measuring Impact: Joint Biennial NDE
Survey



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Proposed indicators to monitor and evaluate the joint activities of the TEC and CTCN

➤ Output level

Level	Results	Indicators	Target by 2027	Means of Verification
Output 1	Joint policy recommendations, key messages and knowledge on climate technologies to support NDC ambition and implementation	1.1 Number of sets of joint policy recommendations (comprising multiple policy recommendations) developed on climate technologies, including innovative climate technologies, to support NDC ambition and implementation	5	List of policy recommendations on innovative on climate technologies to support NDC ambition and implementation
		1.2. Number of joint publications developed on climate technologies, including innovative climate technologies, to support NDC ambition and implementation	2	TT: CLEAR and CTCN website
		1.3. Number of joint events organised on climate technologies, including innovative climate technologies, to support NDC ambition and implementation	10	TT: CLEAR and CTCN Website
Output 2	Joint strategic engagement with other actors to support NDC ambition and implementation	2.1 Number of joint strategic engagements and collaborations with other actors to support NDC ambition and implementation, including UN constituencies and observer organizations such as the WGC and the LCIPP	5	TT: CLEAR and CTCN Website
		2.2 Number of responses received for the biennial Technology Mechanism NDE survey (gender disaggregated)	50% response rate	UNFCCC Technology Mechanism NDE survey
		2.3 Number of experts signed up to the gender and climate technology roster	TBD	CTCN Website

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Proposed indicators to monitor and evaluate the joint activities of the TEC and CTCN

➤ Outcome level

Level	Results	Indicators	Target by 2027	Means of Verification
Outcome	Various actors enhance the uptake of new and existing climate technologies to support NDC ambition and implementation, including through amplifying the role of innovation in deploying technological solutions at a faster pace and at scale.	1. Evidence of stakeholders using joint TEC and CTCN policy recommendations and publications on climate technologies to support NDC ambition and implementation when deploying new and existing climate technologies	N/A	NDE feedback form List of examples of the uptake of TEC and CTCN joint outputs. Number of % increase in downloads of joint publications Number of % increase in number of participants in joint events (gender disaggregated). Number of experts who have been matched through the Gender and Climate Technology Roster



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Proposed indicators to monitor and evaluate the joint activities of the TEC and CTCN

➤ Impact level

Level	Results	Indicators	Target by 2027	Means of Verification
Impact	Parties share a long-term vision on the importance of fully realizing technology development and transfer in order to improve resilience to climate change and to reduce greenhouse gas emissions	Number of NDC's that reflect prioritized technologies, including referring to the technology planning tools (TNA, TRM)	N/A	Measured every 5 years. NDCs submitted to UNFCCC



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ii. Presentation of the draft mapping of joint reporting requirements



Overview of current joint reporting

- **Reporting on the implementation of joint activities & collaboration and the implementation of COP/CMA mandates that concern both bodies:**
 - Annually in the joint chapter of the Joint Annual Report
 - Bi-annually during the joint sessions
 - Mandates table integrated into the Joint Annual Report

:



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Draft mapping of joint reporting requirements

Overarching joint reporting requirements	Related joint reporting element and sources of input
<p>1. Joint Chapter of the TEC – CTCN Annual Report to the COP and CMA</p> <p>COP 21 invited the TEC and the Advisory Board of the CTCN to update the procedures for preparing the joint chapter of the joint annual report of the TEC and the CTCN.</p> <p>COP 22 encouraged the TEC and the CTCN to continue updating the procedures for preparing the joint chapter of their joint annual report and to report on the outcome of this work in their joint annual report to COP 23.</p>	<ul style="list-style-type: none">• The updated procedures for preparing the joint annual report provide guidance on the overall structure of the Joint Annual Report and the process for preparing the joint chapter.• Several decisions pertaining to the joint work programme and the Periodic Assessment necessitate specific joint reporting in the Joint Annual Report:• Decision 19/CMA.4 & Decision 18/CP.27: include information on activities and actions under the technology framework that have been implemented under the joint work programme & on how the TEC and the CTCN responded to mandates of Parties in the implementation of their work• Decision 20/CMA.4: include information on actions undertaken in response to the recommendations contained in the final report of first periodic assessment• Decision 14/CMA.5 & Decision 9/CP.28: include information on action taken in response to the mandates



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Draft mapping of joint reporting requirements

Overarching joint reporting requirements	Related joint reporting element and sources of input
<p>2. Technology framework under Article 10, paragraph 4, of the Paris Agreement (Decision 15/CMA.1)</p> <p>Provides overarching guidance to the work of the Technology Mechanism in promoting and facilitating enhanced action on technology development and transfer in order to support the implementation of the Paris Agreement in pursuit of the long-term vision referred to in its Article 10, paragraph 1.</p> <p>Can play a strategic role in improving the effectiveness and efficiency of the work of the Technology Mechanism (...) by addressing the transformational changes envisioned in the Paris Agreement and the long-term vision for technology development and transfer.</p>	<ul style="list-style-type: none">• Decision 15/CMA.1 <p>Decides that the TEC and the CTCN, consistently with their respective functions, mandates and modalities of work, shall implement the technology framework in close collaboration under the guidance of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement.</p> <ul style="list-style-type: none">• Decision 19/CMA.4 <p>Requests the TEC and the CTCN to include information in their joint annual reports (...) on activities and actions under the technology framework that have been implemented under the joint work programme.</p>



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Draft mapping of joint reporting requirements

Overarching joint reporting requirements	Related joint reporting element and sources of input
<p>3. First periodic assessment of the effectiveness and adequacy of the support provided to the Technology Mechanism in supporting the implementation of the Paris Agreement on matters relating to technology development and transfer (Decision 1/CP.21)</p>	<p>The scope of and modalities for the periodic assessment (Decision 16/CMA.1) outline the assessment of the following:</p> <ol style="list-style-type: none">1. On the effectiveness of the Technology Mechanism, the scope may include the assessment of the impact, outputs and outcomes of the Technology Mechanism, in particular, how it has:<ol style="list-style-type: none">(a) Facilitated the transformational changes envisioned in the Paris Agreement.(b) Contributed to the achievement of the long-term vision referred to in Article 10, paragraph 1, of the Paris Agreement.(c) Contributed to strengthening cooperative action on technology development and transfer.(d) Enhanced the implementation of the technology elements of nationally determined contributions and technology needs assessments.(e) Resulted in quantitative impacts through technical assistance, including potential emission reductions, the number of technology solutions delivered, and investments leveraged.(f) Undertaken its work in a cost-effective and efficient manner.(g) Achieved success in terms of how the bodies of the Technology Mechanism have implemented their workplans.(h) Overcome challenges.(i) Identified opportunities for improvement.(j) Collaborated with other stakeholders in supporting the implementation of the Paris Agreement on matters relating to technology development and transfer.(k) Responded to the overarching guidance provided by the technology framework referred to in Article 10 of the Paris Agreement, including aligning its work with the themes of the technology framework.(l) Responded to existing mandates under the Paris Agreement and to guidance from Parties.

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Draft mapping of joint reporting requirements

Overarching joint reporting requirements	Related joint reporting element and sources of input
<p>3. First periodic assessment of the effectiveness and adequacy of the support provided to the Technology Mechanism in supporting the implementation of the Paris Agreement on matters relating to technology development and transfer (Decision 1/CP.21)</p>	<p>The scope of and modalities for the periodic assessment (Decision 16/CMA.1) outline the assessment of the following:</p> <p>2. On the adequacy of the support provided to the Technology Mechanism, the scope may include, but is not limited to, the assessment of:</p> <ul style="list-style-type: none">(a) The recipients of the support provided: (i) The TEC; (ii) The CTCN, including the national designated entities.(b) The sources of support provided.(c) The types of support provided.(d) How the support provided was used, taking into account actions at the different stages of the technology cycle: (i) Mitigation actions; (ii) Adaptation actions; (iii) Cross-cutting actions.(e) The level of support provided and whether it has changed over time.(f) The extent to which the support has met the budgets and plans of the Technology Mechanism. <p>3. The periodic assessment is both qualitative and quantitative:</p> <ul style="list-style-type: none">(a) Qualitative elements may include reviewing existing reports and gathering information from stakeholders.(b) Quantitative elements may include collecting data and undertaking statistical analysis.



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Draft mapping of joint reporting requirements

Overarching joint reporting requirements	Related joint reporting element and sources of input
<p>3. First periodic assessment of the effectiveness and adequacy of the support provided to the Technology Mechanism in supporting the implementation of the Paris Agreement on matters relating to technology development and transfer (Decision 1/CP.21)</p>	<p>The scope of and modalities for the periodic assessment (Decision 16/CMA.1) outline the assessment of the following:</p> <p>4. The sources of information for the periodic assessment include, but are not limited to:</p> <ul style="list-style-type: none">(a) The technology framework.(b) The joint annual reports of the TEC and the CTCN to the CMA.(c) Other UNFCCC reporting documents and processes relevant to the implementation of the Paris Agreement on matters relating to technology development and transfer.(d) Information provided by relevant stakeholders;(e) Documents and outcomes resulting from the independent reviews of the CTCN.(f) Where relevant, reports of the Intergovernmental Panel on Climate Change



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Draft mapping of joint reporting requirements

Overarching joint reporting requirements	Related joint reporting element and sources of input
<p>4. Global Stock take of the Paris Agreement</p>	<p>Decision 19/CMA.1:</p> <p>1. Information collection and preparation phase:</p> <ul style="list-style-type: none">• <u>The information types include:</u> Barriers and challenges, including finance, technology (including outputs of the periodic assessments of the technology mechanism) and capacity-building gaps, faced by developing countries.• <u>The information sources include:</u> Reports from relevant constituted bodies and forums and other institutional arrangements <p><i>(refer to TEC Synthesis report: Information on matters related to technology development and transfer, including the information referred to in Article 10 of the Paris Agreement, barriers and challenges faced by developing countries and good practices, experiences and potential opportunities to enhance international cooperation on mitigation and adaptation)</i></p> <p>2. Technical Assessment phase:</p> <ul style="list-style-type: none">• Three Technical Dialogues• TD formats: plenary sessions, round tables, world café – technology development and transfer one of the topics discussed. <p>3. Consideration of outputs phase:</p> <ul style="list-style-type: none">• High-level events

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iii. Updates on the joint NDE Survey



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Importance of Technology Mechanism NDE Survey

- Two bodies invite NDEs biennially to contribute to the process of monitoring and evaluating the impact, through a joint survey (decision 15/CP.23 and 15/CMA.1)
- The focus of the survey was **on long-term impacts** and actions taken, after support was provided :
 - 1st NDE survey in 2020 (27 NDEs received support from the CTCN responded)
 - 2nd NDE survey in 2022 (45 NDEs received support from the CTCN responded)
- NDEs are agents for change. Inputs and reviews from NDEs allow Technology Mechanism to learn, improve and provide more coherent support.
- The results of NDE survey are used as a source of information for the PATM/GST/BTR (decision 16/CMA.1, annex, para. 1.).



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COP mandate on Technology Mechanism NDE Survey

- COP 27 (Decisions 18/CP.27 & 19/CMA.4) mandate to “identify new ways to invite feedback from NDEs on the impact of the work of the TM such as through more **practical and effective surveys**”
- Ongoing preparations for the 3rd Technology Mechanism NDE survey, with enhanced approaches on the following:
 1. Tailored questions for three stakeholder categories (details to be shared in AB M&E session)
 2. Improved communication and outreach strategy to enhance responses from NDEs



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1. Refine survey questions applicable to all NDEs

- Most of questions in the past surveys were only relevant to country NDEs who received TAs.
 - Add relevant questions for
 - Non-Annex I with no TA experience - Country NDEs yet to receive TA support
 - Impacts for other service areas (capacity building, networking)
 - Annex I - Country NDEs with ability to provide support to the CTCN

	Non-Annex I NDEs mostly (countries benefiting from technical assistance support)	Non-Annex I NDEs (countries yet to receive technical assistance support)	Non-Annex I NDEs mostly (countries benefiting from technical assistance support)	Non-Annex I NDEs (countries yet to receive technical assistance support)	Annex I NDEs (countries with ability to provide support)
Part I. Past engagement	✓	✓	Part I. Past engagement and level of awareness on the role of NDEs	✓	✓
Part II. Technical Assistance Outcomes and Impacts	✓		Part II. Technical Assistance Outcomes and Impacts	✓	
			Part III. Capacity Building and Networking Outcomes and Impacts	✓	✓
			Part V. Engagement with Annex I Countries		✓



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Next Steps

- (~ May) Translate survey questions in three languages
- (May ~ July) Launch survey in May, implement communication and outreach strategy, and collect responses until July
- (July ~ November) Analyze results and report findings in 2024 Joint Annual Report and TEC 29/ CTCN AB 24



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vi. Next steps for the joint activity group



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Next Steps

- **TEC and CTCN AB members are invited to:**
 - 1) Consider the joint M&E indicators and provide guidance with a view to implementing them.
 - 2) Consider the draft mapping of joint reporting requirements and provide guidance on follow-up action(s).
 - 3) Take note of the plans for the upcoming NDE Survey.



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Joint Monitoring and Evaluation

TEC-CTCN Joint session

19 April 2024, Copenhagen, Denmark

All relevant materials pertaining to the Joint Session meeting are made available on this page: <https://unfccc.int/ttclear/tec/meetings.html>

Contact: TEC@unfccc.int



- Annex

Part	Questions
Part I. Past engagement and level of awareness on the role of NDEs	Past engagements with the CTCN Level of awareness on the roles of NDE
Part II. Technical Assistance Outcomes and Impacts	Experiences on the receipt/provision of TA support Outcomes/Impacts of TA and willingness about the follow-on support from the CTCN
Part III. Capacity Building and Networking Outcomes and Impacts	Experiences on the participation of capacity building and networking activities Expectations/needs on the capacity building and networking activities
Part V. Engagement with Annex I Countries	Rationale and satisfaction about the support provided to the CTCN Relevant programmes/opportunities that the CTCN to be aware of
Part V.I. Contribution of TEC policy recommendations and publications	Uptake of the TEC publications and impact of the TEC work

